

Title (en)

NON-ORIENTED ELECTRICAL STEEL SHEET, SEGMENTED STATOR, AND DYNAMO-ELECTRIC MACHINE

Title (de)

NICHTKORNORIENTIERTES ELEKTROSTAHLBLECH, SEGMENTIERTER STATOR UND DYNAMOELEKTRISCHE MASCHINE

Title (fr)

TÔLE D'ACIER ÉLECTRIQUE À GRAINS NON ORIENTÉS, STATOR SEGMENTÉ ET MACHINE DYNAMO-ÉLECTRIQUE

Publication

EP 3913079 A4 20220831 (EN)

Application

EP 20740973 A 20200117

Priority

- JP 2019006447 A 20190117
- JP 2020001536 W 20200117

Abstract (en)

[origin: EP3913079A1] A non-oriented electrical steel sheet has a chemical composition containing, in terms of % by mass, C: 0.0015% or less and Si: 2.5 to 4.0% and having an average crystal grain size of 10 to 40 μm , and an internal oxidation layer having a thickness of 0.5 to 3.0 μm present in a sheet thickness direction of a surface thereof.

IPC 8 full level

C22C 38/00 (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/14** (2006.01); **C22C 38/34** (2006.01); **C22C 38/42** (2006.01); **C22C 38/50** (2006.01); **C22C 38/58** (2006.01); **H02K 1/02** (2006.01); **C21D 6/00** (2006.01); **C21D 8/00** (2006.01); **C21D 8/12** (2006.01); **C21D 9/46** (2006.01)

CPC (source: EP KR US)

C21D 9/46 (2013.01 - KR); **C22C 38/002** (2013.01 - EP US); **C22C 38/004** (2013.01 - EP KR); **C22C 38/005** (2013.01 - EP US); **C22C 38/008** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP KR US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/14** (2013.01 - EP); **C22C 38/20** (2013.01 - US); **C22C 38/28** (2013.01 - US); **C22C 38/34** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP KR US); **H02K 1/02** (2013.01 - EP US); **H02K 1/12** (2013.01 - US); **H02K 1/148** (2013.01 - KR); **H02K 1/18** (2013.01 - KR); **H02K 1/22** (2013.01 - KR US); **H02K 5/04** (2013.01 - KR US); **C21D 6/008** (2013.01 - EP); **C21D 8/005** (2013.01 - EP); **C21D 8/1233** (2013.01 - EP); **C21D 8/1238** (2013.01 - EP); **C21D 8/1261** (2013.01 - EP); **C21D 8/1272** (2013.01 - EP); **C21D 9/46** (2013.01 - EP); **C22C 2202/02** (2013.01 - US); **H02K 2213/03** (2013.01 - EP); **Y02T 10/64** (2013.01 - EP)

Citation (search report)

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- [A] JP 2001172752 A 20010626 - NIPPON STEEL CORP
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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